: BRACKET ASSEMBLY

: D3183044

: 7/22/2008

: N/A

: C1

: D3183 REV C1

Date:

Tuesday, 7/1/2008 10:47:02 AM

User

Kim Johnston

Process Sheet

Drawing Name

Part Number

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**

: 40158 : 10291

P.O. Number

: 7/1/2008

S.O. No. :

This Issue Prsht Rev. First Issue

Previous Run

: NC

: //

Type

MACHINED PARTS

: 39924

Written By Checked & Approved By

Comment

New issue KJ/DS : Est Rev:Pick:A 04.02.18

Est Rev:B Changed Mat Size 08-06-26 JLM

Material

Due Date

Verified By:EC

Qty:

6 Um:

Each

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

17-4 SS Bar 1.5"X2.250"

1.0

M174B1500X02250

1

Comment: Qty.:

0.4812 f(s)/Unit

Total:

2.8873 f(s)

Material: 17-4 SS Bar per AMS 5604/5643

(M17-4-B1.500x02.250

Identify for D3183-4

Batch: 11/0830

Comment: BAND SAV

Cutiblanks: (1:500"-x 2:000") 5.500" long

3.0

HAAS1

HAAS CNC VERTICAL MACHINING #1





Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine D3183-4 as per Folio FA322 and Dwg D3183 Identify as D3183-4

2-Deburr

3-Scribe batch number

SP 08/07/17

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



Page 1

Form: rorocess

Dart-Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector
		-					
				•			
Part No): 	PAR #: Fault Category: No	· CR: Yes	s No DQ	A:	Date:	
	;		QA:	N/C Close	d:	_ Date: _	
NCR:		WORK ORDER NON-CONFORMANC	E (NC	R)	<u></u>		

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification	Approval	A			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector		
							·			
				···						
		·								
		:	·	»·						
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				•						
				•						

NOTE: Date & initial all entries

Date: Tuesday, 7/1/2008 10:47:02 AM User-Kim Johnston **Process Sheet** Drawing Name: BRACKET ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Job Number: 40158 Part Number: D3183044 Job Number: Seq. #: Description: **Machine Or Operation:** QC8 SECOND CHECK 5.0 Comment: SECOND CHECK 6.0 D312121 Bolt Comment: Qty.: 2.0000 Each(s)/Unit Total: 12.0000 Each(s) Pick: **Qty Part Number** 2 D3121-21 7.0 D3183045 Bearing Assembly Comment: Qty.: 2.0000 Each(s)/Unit 12.0000 Each(s) Total: Pick: Qty Part Number Description Batch D3183-045 Bearing Ass SMALL FAB SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3183-043 as per Dwg D3183. QC5 INSPECT WORL 9.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 233A 11.0 QC21 FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Ltd

W/O:			WORK ORDER	CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
					-			
Part No	:	PAR #:	Fault Category:	NCR: Y	es No DG	A:	Date:	
		•,		QA	A: N/C Close	ed:	Date:	

		WORK ORDI	ER NON-CONFORMANO	CE (NCR)			
	Description of NC Corrective Action Section B			Vorification Approve	Approval	Ammerical	
STEP	STEP Section A		Initial Chief EngAction Description Chief EngSign & Date		Section C	Chief Eng	Approval QC Inspector
					,		
			·			•	
	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Section A Initial Action Description Sign & Verification Section C	STEP Description of NC Section A Initial Action Description Sign & Verification Section C Chief Eng

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	40158
Description: Bracket	Part Number:	D3183-4
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing	T - 1	Actual	A 4	Deigot	Method of	Comments
Dimension	Tolerance	Dimension	Accept	Reject	Inspection	Comments
R0.190	+/-0.030	.190				
R0.063	+/-0.010	.063				
0.188	+/-0.010	NA	/			
0.070	+/-0.010	.07/			_	
0.100	+/-0.010	.100	1.			
Ø0.201 x 0.100	+/-0.010	.203×102				
0.183	+/-0.010	-137	/			
5.32	+/-0.030	5.330	/			
5.036	+/-0.010	5.031			2	
2.120	+/-0.010	2.125	1		1.	
1.290	+/-0.010	1.291			*	
0.365	+/-0.010	.366	/			
0.218	+/-0.010	.211	i			
1.030	+/-0.010	1001				
1.90	+/-0.030	1.889				·
1:012	+/-0.010	1.017				
Ø0.201 x 0.100	+/-0.010	-205x .103	/			
0.786	+/-0.010	792	, .			
Ø0.392	+0.002/-0.000	.393	\			,
R0.19	+/-0.030	.190				4
3.954	+/-0.010	3.954		•		·
0.162	+/-0.010	(60	1.			
R0.19	+/-0.030	.197				
R0.25	+/-0.030	.250	/			
4.26	+/-0.030	4.26	/			
2.800 Calculated dimension	+/-0.030	2.801	1			
0.162	+/-0.010	./64	/			
0.615	+/-0.010	.612	/			
0.435	+/-0.010	.434	1			
0.200	+/-0.010	.207				
0.381	+/-0.010	.382				
0.032	+/-0.010	.034	/			· · · ·

Measured by: Audited by: J.F.

Date: 08/07/17

Audited by: J.F.

Prototype Approval: N/A

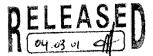
Date: N/A

Rev	Date	Change	Revised by	Approved
Α	03.11.12	New Issue P/O D3183-044	KJ/RF	,
В	04.03.15	Changes as per revision C	KJ/JLM/RF	
С	04.06.15	Dimension 2.800 was 2.080; removed 1.155, 0.36 dimensions	KJ/JLM	
D	06.03.09	Dwg Rev update	KJ/JLM 14A	
E	08.01.16	Dimensions revised	KJ/EC/DD	

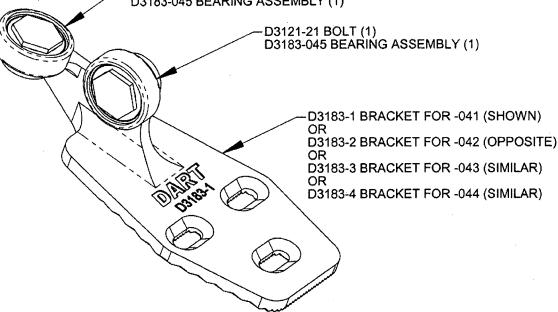




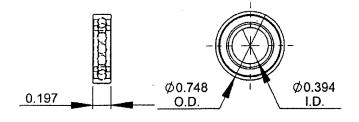
	DESIGN DRAWN BY CHECKED APPROVED		DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
			APPROVED	DRAWING NO.	REV. C SHEET 1 OF 4	
	DATE	04.0)2.17	BRACKET ASSEMBLY	SCALE 1:1	
	Α.	A 03.01.24		NEW ISSUE		
	В	B 03.06.17		REMOVE BEARING; 1.012 WS 0.882 ADD -045/-9; 0.182 WAS 0.431		
	C ,04.02.17		4.02.17			
		11				



C1 - 04.11.09 0.830 WAS 0.850 D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-041 BRACKET ASSEMBLY (SHOWN) D3183-042 BRACKET ASSEMBLY (OPPOSITE) D3183-043 BRACKET ASSEMBLY (SIMILAR D3183-044 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

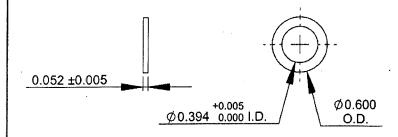
- 1) SINGLE ROW, DEEP GROOVE, RETURN TO CONRAD TYPE, SHIELDED ENGINEERING 2) POSSIBLE SUPPLIER: NSK P/N 980047 ED
- 3) ALL DIMENSIONS ARE INJINCALES COPY SUBJECT TO AMENDMENT

WITHOUT NOTICE



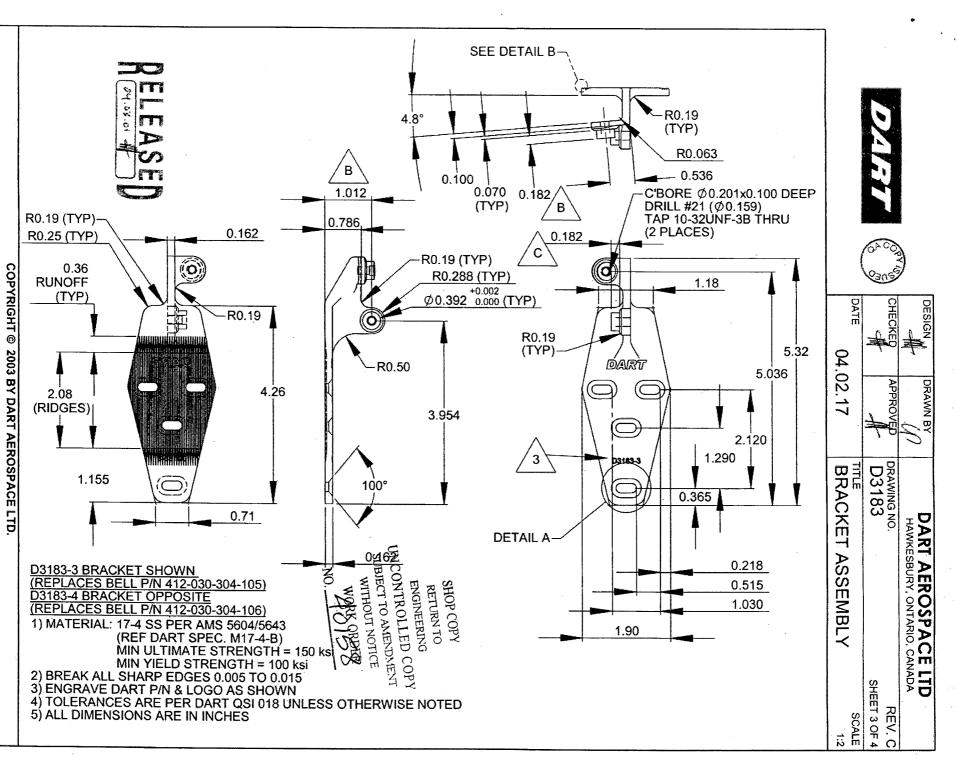
D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) **ANNEALED**
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES



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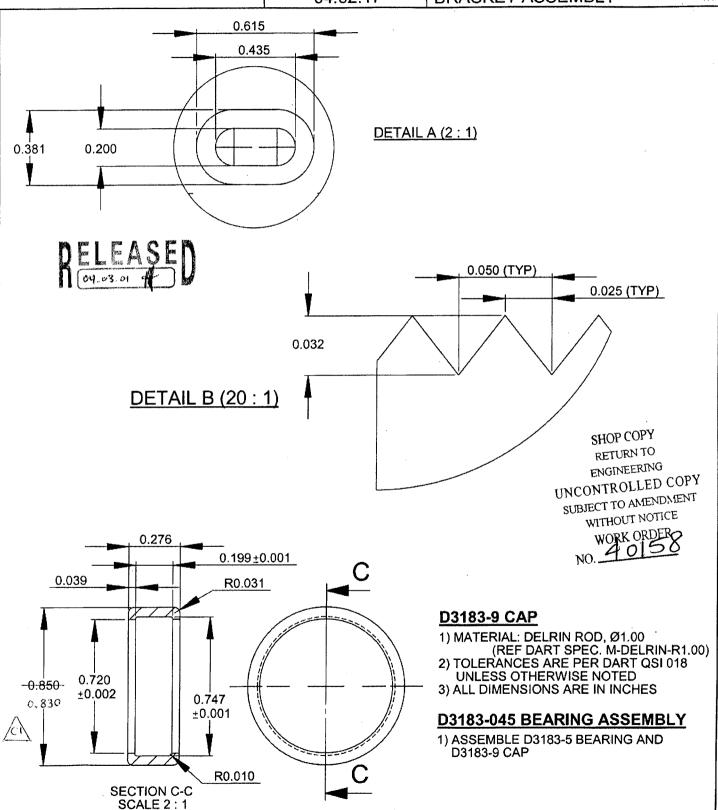


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DESIGN	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CA	
CHECKED	APPROVED	DRAWING NO.	REV. C
9		D3183	SHEET 4 OF 4
DATE	,	TITLE	SCALE
04.	02.17	BRACKET ASSEMBLY	. 1:1



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